



**2009**





1	.....	1.1
10	.....	2.1
10	.....	3.1
11	.....	4.1
	.....	:
12	.....	1.2
80	.....	2.2
101	.....	3.2
102	.....	3.2
	.....	:
103	.....	1.3
103	.....	2.3
103	.....	3.3
104	.....	4.3
105	.....	5.3

106	.....	6.3
107	.....	7.3
108	.....	8.3
108	.....	9.3
109	.....	10.3
	.....	:
111	.....	1.4
136	.....	2.4
148	.....	3.4
151	.....	
163	.....	

9	2007-1990	-1
56	(2003-1996) (%)	-2
57		-3
105		-4
106		-5
107	( )	-6
113		-7
115		-8
117		-9
120		-10
122		-11
124		-12
127		-13
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171

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**2009**

(462)

(%77.6)

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## **Abstract**

# **The Impact of Economic Variables on Criminal Behavior in Jordanian society From Perspective of the Workers in Public Security Service**

**Omar Abdullah Azwahrh  
Mu'tah University , 2009**

This study aimed at identifying the impact of economic variables on criminal behavior in Jordanian society from perspective of the workers in public security service. in order to achieve the objectives of the study a questionnaire was designed and developed to collect the data, a simple random sample was used, it consisted of (462) subject.

The study revealed the following results:

The following independent variables were significantly effected the criminal behavior: low wages income, poverty, inflation, privatization, unexisted companies, recession and unemployment.

The model explained (77.9%) of the variation in the dependent variables.

Finally the study presented some recommendations that government have to increase individuals incomes through establishing financial polices which presented good conditions also put new regulars on capitals owners and investors to increase workers salaries to decrease the motivates which lead to commit criminal behavior.

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.(Pinatel, 1970)

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(Cohen, 1955)

(Miller, 1958)

(Fisher, 1972)

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(Mills, 1959)

Individual Goals

.(Durkheim, 1938)

(Chambliss & Seidman, 1977)

(Gordon, 1971)

( )

(Platt, 1974)

(Spitzer, 1975)

(Michalowski and Bolaner , 1976)

(Krisberg, 1975)

(Quinney, 1977)

(Reckless)

(2004

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(Jones)

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(177)

(2007 ).

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(1990) (1998)  
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(21855) 1990  
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825	3	---	794	198	152	457	158	184	4348	1956	<b>.1990</b>
973	12	---	977	229	163	519	172	9 .5	4745	4 .24	<b>1991</b>
9292	22	---	1142	389	141	512	179	516	.415	2241	<b>1992</b>
9612	.2	----	8 .12	561	231	418	.18	537	4267	219	<b>1993</b>
9772	23	---	643	959	89	541	.22	.73	4425	2142	<b>1994</b>
8566	6	----	673	.91	221	762	8 .1	113	3826	1947	<b>1995</b>
11864	8	----	1482	78 .1	269	1532	161	58	.467	6 .26	<b>1996</b>
12181	14	----	1798	1177	299	.137	252	551	4416	4 .23	<b>1997</b>
14484	5	93	1854	2796	312	1252	375	3 .4	5271	2123	<b>1998</b>
8 .166	19	71	2627	51 .3	381	1474	395	.66	.561	.232	<b>1999</b>
16578	15	74	2437	1 .32	339	1739	452	562	5697	2362	<b>2000</b>
18818	14	158	3112	3272	353	.159	488	591	6292	2948	<b>2001</b>
17524	14	145	.259	.323	375	9 .16	497	.68	5575	9 .28	<b>2002</b>
17124	11	168	.373	3155	298	1433	463	.75	4911	5 .22	<b>2003</b>
.1681	8	112	3923	.3 .3	299	1384	496	657	2 .47	2199	<b>2004</b>
17138	9	173	15 .3	32 .4	245	1517	493	648	4711	2295	<b>2005</b>
25356	16	185	.243	294 .1	281	1647	584	.59 .1	4387	4478	<b>2006</b>
28286	8	76	2819	959 .1	348	1955	743	1187	5117	74 .5	<b>2007</b>
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2 .1

3 .1

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.1

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## 1.2

(Clinard)

.(Clinard, 1968, pp 6-8 ) .

Pepinsky

Pepinsky, )

.(1980: 316

(Durkheim , 1938)

(Anomie)

.(Durkheim, 1938)

"R. WODSON "

"JEFFREY "

)

.(

" (2001 ) (Sellin , )

(R Garofalo)

(1998 )

(Sellin)

(2004 )

(26 :2005 )

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(83 :2005 )

Rosow

(159 :1987 )

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(2002 ) .(Felonies) (Misdemeanors)  
" : (mayz )

( Nettler)

(2002 )

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(1979 )

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(1999 )

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.(11 :1984 ) .

.(2008 )

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.(208 :2006, ).

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Lombroso ( )

.(339 :1996 ).

:2006 ).

.(209

(11)

.(1993)

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.(2008 )

.(123: 1984 ).

.(324 : 1999 ).

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.(277 :2005 ) .

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.(120 :1984

.(2008 ).

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(227 :2005 )

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( 1925 – 1841)

(1861 – 1835)

(Starck,1884)

1878 / 1854

Starck

(291 :1998 ).

.(216 :2006 )

(2008 )

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.(2008

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.(202 :1985 ).

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(332 :1999

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- 1930

1932

.(293 :1998 228: 2005 )

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.(233 :1999

(Davis, 1970)

" :

(1996 )

.(1996 ) .

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.(84-80 :1991 )

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.(1996 )

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.(2006 ) "

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- (15201) (1975-1974)

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(1998 )

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(%62.2)

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.(27 :1998 )  
( 1987 – 1980 )

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(1987) (% 22) (% 17)

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. (1996 )

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.(267 :2006 ).

.(615 :1987 ).

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:1998 ).

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.(226 :2006 ).

1848 1847 "

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(1853)"

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.(289 :1998

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( ) Sutherland

(Sutherland & Cressey, 1978).

.(2008 ).

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	1998	%15
.%14.3	2006	2007
%10.2	%30.9	
).%19.5	%20.9	
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1997 (46713)  
1973 ( 10400)  
(\$4.19)  
1986 (%30.13)  
1982 (%39.7-)

(2003 )  
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 (1972) (%14) (%10)  
 (1981) (%3,9)  
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 (1989) (%10,3) (%8)  
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 (1993 1991) (% 18,8)  
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 (35) (70)  
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(1994)

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(%18,8)

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(1999–1996)

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) (1996)

(1996)

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(1981-1976)  
(%3.9)

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.(323: 2005 )

.(2008 ).

1942

(%31.2) (%19.5)  
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(67)

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(2005 ).

.(230 :2006, ).

2001

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(%19.38 ) (6537) 2000  
(%25.31 ) (%57.92)  
(%16.90 ) 2002  
(%58.92 )  
(77.27 )  
(%14.67) 2003  
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(%7.145 )

(2002 )

.(2003 )

.(Pursey, 2002)

2003-1952

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100	10	2003
15		
.(World Bank, 2003)		
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	(2)	2003
(2003-1996)	(%)	
<hr/>		
(1994= ..1) (%)		(%)

2.1	4.2	1.9	3.1	1996
3.3	4.6	3.6	7.4	1997
3	9.2	3.1	6	1998
3.1	2.8	2.8	2.8	1999
4.1	3.8	4.6	6	2000
4.9	5.8	5.4	5.9	2001
4.8	5.7	5.4	5.7	2002
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1117	1997
1180	1998
1177	1999
1189	2000
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) 2004 3.7 1961

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2003-2002

%2.8

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.(2003

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.(83: 2004 )

.(2006 ' )

.(2006 )

.(2007 )

.(2006 )

(Anomie Theory)

Social ) (Merton , 1938)

### (Structure

Cloward & Ohlin, 1960 & Albert Cohen, )

(2004 )

(1955 & Miller 1958

## Differential Association )

(Sutherland , 1947)

## (Theory

## (Social Disorganization )

(Shaw & McKay, 1942)

### Labeling )

)

### (Theory

( ... )

(Tittle, 1995)

Cohen & Felson , )

## (The Routin Activity Approach)

(1979)

(Hindelang & Gottfredson & Garofalo , 1978)

Cornish & Clark, )

### (The Rational Choice Perspective)

(1986

.( )

Conflict- )

### (Marxist Theory)

## (Theories

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.(2004 )

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(1958)

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.(2004 )

1848

.(Cuzzort , et.al , 1980)

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(132-131 2003 )  
. (2004 )

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. (143 : 1991 )  
. (Willian Bongr )  
" 1916 "

(Bonger)

(Bonger)  
(Bonger , 1963)

.(1992 )  
(Lewies Cozor)

(Cozor)" "

.(1992 ) .

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.(2004 )

(Ralf Darendorf)

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(1992 )

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.(1992 )

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Marx( )

.Angels ( )

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(Bonger, 1963) .

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Bonger, )

.(1984 ) (1916 :381-401  
( )

.mother of all crimes

.(1984 )  
( )

( )

Tarde ( )

(Gillin, 1926)

.(1984 )

Parkhurst

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(Gillin, 1926)

.(1984 )

(1891)

George " " Marshal " "  
" " Boot " " Marx " "  
Bonger" " Adames " " Riis

### **.Economic Determinism**

## . The Socialist School

:1984 )

(106

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:1 ) .1

" " Lacass Agne "

1827-1870

.(1984 ) (Gillin, 1926)

:trade cycle

.2

1930

" (1984 ) (Gillin, 1926)

.3

Ogburn " "

McKay ( ) Shaw ( )

Bronner " " Healy " "

" " Burt " "

Glueck " " Goring

Taft, 1956 : )

(175

.4

.1895 -1891 Bonger " "

( )

"

(Gillin , 1926)

(1984 )

.5

"Tarde "

(Bonger)

(1984 )

.6

Sutherland ( )

( ) . The Professional thief

.7

Bonger " "

.1

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(1984 )

.(86: 1987 )

Containment

Reckless

( )

.(1984 )

( )

Opportunity

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.(1999 ) (

Alienation

.(2005 ) .

: **2 .2**

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(2009 )

2008 -2000

2008 -2000

:

6.8 %93.3

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"(2006-1997)

(2006-1997)

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.(2006 -1973 )

.(VECM)

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(2007 )

(2005 -1980)

(2005-1980)

(%88.3)

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(100.000) (3.4)

(30.3)

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-1985) (%2000-%7) ( 1994  
1985 1994  
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(1998)  
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463

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(1992-1972)

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(106)

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(1991 )

(100.000) (57.6)

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.(%19.5)

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(1990 )

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861

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(1983 )

1973 – 1961

(Papps and Winkelmann, 2007)

2005 1996

(Mikeal, 2007)

(Becker)

(Schuller, 2006)

2004 – 1988

2003 1995

Cross – Section Data

(Donis, 2006)

(Becker, 1968) Donis 200.0-1990

" (Daniel & Stephen, 2006)

)

(

(Allen, 2005)

2002

.- 1992

(1) :

( )

(2) .( )

" (Gümüş, 2004)

.( )

( Nilson, 2003)

( )

.Panel Data 2000-1996

.(OLS)

%20 %15

" (Rodger, 2003)

(Lee, 2003)

Granger Johansen (1988)

.2001 1972 (1969)

(Edmark, 2003)

1999 –

.1988

"

" (Shelly 2003)

(Nilsson & Agell, 2003)

.(71 :2004 )

(2000 – 1996)

%6.8 %11.9

%9.4 %21.3 24

%20 %15

1995

1993 – 1990

%11 %6

.%19 %31

(Chapman, et. al, 2002)

1999 – 1989

(Daniel, 2006)

(Gini Coefficient)

1997-1961

16 (Antonio, 2002)

.2001-1994

.Panel Analysis

( )

( )

Demombynes & )

(Ozler,2002

(Ludwing, et.al, 2000)

638

%50      %30

(Fajnzylper, 2001)

39      1995      1965

(Raphael and Winter-Ebmer, 2001)

)      :  
)      (  
(

"      (Clinard, 2001)

"

(500)

%85

(Raphael & Winter,2000)

1997 1971

%5

" (Schnider, 2000)

25

( )

%80

(Witt, et, al, 1999)

(42)

(Schneider, 1999)

Panel Data (Kerry, 1998)

1996-1984

(Entorf & spengler, 1998)

(Eisner, 1996)

(Small & Lewis, 1996)

Methodology and Data Source

.(Hendry and Juselius, 2000)

(OLS)

R2

(Unit Root Test )

(Cointegration Test)

(Allan, 1989)

%70

" (Robert & Friery, 1988)

1980-1960

)

1980-1960

(

%50

: **3.2**



1.3

(141-139: 1996 )

2.3

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2009 (

3.3

3421	462	
%13.5		
.	.	
	:	<b>4.3</b>
	(4)	
%10		%90
.	%41.6	.
		.
%8	%30	%20.4
.	.	.
50 41	%29.3	%50.2
.%8	40 31	30
%26.8	50	%12.4
.	%68.2	.
		%5
.	.	.
	(4)	
.	.	.

(4)

(%)	
90.1	416
9.9	46
41.6	192
20.4	94
30.0	139
8.1	37
50.2	232
	30
29.3	135
12.4	58
8.0	37
68.2	315
26.8	124
5.0	23

462 : •

: **5.3**

.( )  
 -2 -1) 79  
 ( -5 -4 -3

1 : .  
 2.5 2.49 1.5 1.49  
 4.49 3.5 3.49

4.49

.)  
-1) .( .(5  
( ) : :  
( ) (20-13) ( ) .(12-1)  
( : ) (47-31) ( ) (30-21)  
) (64-56) ( ) (55-48)  
( ) (79-65) ( )  
( )  
(5) (5-1) ( )  
. ( ) (1) ( )  
(5)  
-----  
12-1  
20-13  
30-21  
47-31  
55-48 ( )  
64-56  
79-65  
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: **6.3**

(5)

1  
2  
3  
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**7.3**

20

(Cronbach Alpha)

: (6)

(6)

( )

( )

12	1		%88.5
20	13		%84.1
30	21		%77.5
47	31		%71.5
55	48	( )	%89.6
64	- 56		%88.4
79	- 65		%86.8
			%84.9

(6)

%85

**8.3**

(462)

**9.3**

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:

:

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.(12-1)

.(2007

:

(1991        )

.(20-13)

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:

(Hagenaars & Ee Vos, 1988 : 212)

.(47-31)

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(Analysis

)

(

)

$\mathbf{R}^2$

(

(0.05)

1 :

2.5	2.49	1.5	1.49
	4.49	3.5	3.49
			4.49

.3

**1.4**

(7)

0.745 3.68

(7)

"

1.5

2.876

(P-value < 0.001)

(7)

---

	1	1.009	4.13
0.412(**)	2	2.876	3.86
0.569(**)	3	1.011	3.79
0.669(**)	4	1.058	3.73
0.645(**)	4	1.088	3.73
0.677(**)	5	1.171	3.68
0.712(**)	6	1.162	3.66
0.649(**)	7	1.102	3.60
0.684(**)	8	1.147	3.57
0.584(**)	9	1.126	3.54
0.647(**)	10	1.133	3.50
0.670(**)	11	1.124	3.46
		0.745	3.68
			<b>0.001</b>
			(**)

---

(8)

0.697 3.65

(8)

1.5

(P-value < 0.001)

(8)

---

0.608 <sup>(**)</sup>	1	0.924	4.12
0.753 <sup>(**)</sup>	2	1.038	3.65
0.698 <sup>(**)</sup>	2	0.958	3.65
0.629 <sup>(**)</sup>	3	0.959	3.64
0.747 <sup>(**)</sup>	4	1.090	3.54
0.741 <sup>(**)</sup>	4	1.084	3.54
0.712 <sup>(**)</sup>	5	0.960	3.53
0.618 <sup>(**)</sup>	6	1.077	3.49
		<b>0.697</b>	3.65
		<b>0.001</b>	(**)

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0.751 3.61

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(P-value < 0.001)

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0.449<sup>(\*\*)</sup> 1 0.981 4.02

0.622<sup>(\*\*)</sup> 2 1.120 3.77

0.595<sup>(\*\*)</sup> 3 2.567 3.65

0.629<sup>(\*\*)</sup> 4 1.123 3.61

0.631<sup>(\*\*)</sup> 5 1.098 3.58

0.648<sup>(\*\*)</sup> 6 0.924 3.55

0.731<sup>(\*\*)</sup> 6 1.123 3.55

0.625<sup>(\*\*)</sup> 7 1.012 3.53

0.642<sup>(\*\*)</sup> 8 1.004 3.47

0.663<sup>(\*\*)</sup> 9 1.113 3.46

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**0.001**

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5.660 5.622

(P-value < 0.001)

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0.542 <sup>(**)</sup>	1	5.622	4.03
0.478 <sup>(**)</sup>	2	5.660	3.95
0.523 <sup>(**)</sup>	3	1.022	3.85
0.408 <sup>(**)</sup>	4	1.114	3.80
0.529 <sup>(**)</sup>	5	1.004	3.78
0.508 <sup>(**)</sup>	6	0.991	3.70
0.519 <sup>(**)</sup>	6	1.116	3.70
0.534 <sup>(**)</sup>	7	1.019	3.62
0.527 <sup>(**)</sup>	8	1.023	3.61
0.529 <sup>(**)</sup>	9	1.051	3.55
0.549 <sup>(**)</sup>	10	1.017	3.53
	11	1.123	3.46
0.532 <sup>(**)</sup>	12	1.050	3.43
0.439 <sup>(**)</sup>	13	0.980	3.41
0.546 <sup>(**)</sup>	14	1.033	3.40
0.497 <sup>(**)</sup>	15	1.063	3.39
0.565 <sup>(**)</sup>	16	1.001	3.38
		0.823	3.62

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**0.001** (\*\*)

(11)

.0.819 3.52  
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(P-value < 0.001)

(11)

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0.790 <sup>(**)</sup>	1	1.097	3.66
0.796 <sup>(**)</sup>	1	1.008	3.66
0.669 <sup>(**)</sup>	2	1.045	3.63
0.794 <sup>(**)</sup>	3	1.142	3.48
0.817 <sup>(**)</sup>	4	1.171	3.46
0.658 <sup>(**)</sup>	4	1.075	3.46
0.752 <sup>(**)</sup>	5	1.107	3.44
0.674 <sup>(**)</sup>	6	1.162	3.42
		0.819	3.52

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**0.001**

(\*\*)

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(P-value < 0.001)

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0.688<sup>(\*\*)</sup> 1 1.100 3.60

0.635<sup>(\*\*)</sup> 2 1.053 3.55

0.694<sup>(\*\*)</sup> 3 1.088 3.50

0.765<sup>(\*\*)</sup> 4 0.979 3.49

0.736<sup>(\*\*)</sup> 5 1.057 3.37

0.744<sup>(\*\*)</sup> 5 1.133 3.37

0.689<sup>(\*\*)</sup> 5 1.082 3.37

0.798<sup>(\*\*)</sup> 6 1.045 3.33

0.682<sup>(\*\*)</sup> 7 1.064 3.32

0.763 3.43

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**0.001**

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1.743 2.584

(P-value < 0.001)

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0.485 <sup>(**)</sup>	1	1.743	3.62
0.633 <sup>(**)</sup>	2	0.968	3.60
0.481 <sup>(**)</sup>	3	2.584	3.59
0.721 <sup>(**)</sup>	4	1.094	3.54
0.645 <sup>(**)</sup>	5	1.056	3.52
0.649 <sup>(**)</sup>	6	1.093	3.46
0.622 <sup>(**)</sup>	6	1.158	3.46
0.707 <sup>(**)</sup>	7	1.145	3.44
0.718 <sup>(**)</sup>	7	1.090	3.44
0.633 <sup>(**)</sup>	8	1.025	3.43
0.704 <sup>(**)</sup>	8	1.019	3.43
0.702 <sup>(**)</sup>	9	1.123	3.41
0.661 <sup>(**)</sup>	10	1.054	3.40
0.668 <sup>(**)</sup>	11	1.115	3.38
0.631 <sup>(**)</sup>	12	1.105	3.30
		0.764	3.47
		<b>0.001</b>	(**)

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(14)

3.56

0.598

(14)

(P-value < 0.001)

(14)

0.700 <sup>(**)</sup>	1	0.745	3.68
0.775 <sup>(**)</sup>	2	0.697	3.65
0.783 <sup>(**)</sup>	3	0.823	3.62
0.699 <sup>(**)</sup>	4	0.751	3.61
0.741 <sup>(**)</sup>	5	0.819	3.52
0.835 <sup>(**)</sup>	6	0.764	3.47
.842 <sup>(**)</sup> 0	7	0.763	3.43
		0.598	3.56

**0.001** (\*\*)

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### (Stepwise M.L.R.A)

(y = )

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$R^2$

(0.05)

(15)

(15)

1

(P-Value < 0.001) %77.8

266 F

(P-Value < 0.05)

5 VIF

D.W -

1.96

(1)

%56.7

(P-Value < 0.001)

%56.7

$$y = 1.317 + 0.66 \chi_1 \dots 1$$

$$t = (13.829)^{**} (24.55)^{**} \quad F = 602.9^{**} \quad VIF = \%1 \quad R^2 = \%56.7$$

(2)

%14.1

(1)

%70.8

X2 (P-Value < 0.001)

$$y = 0.631 + 0.45 \chi_1 + 0.396 \chi_2 \dots 2$$

$$t = (6.945)^{**} (17.154)^{**} (14.876)^{**} \quad F = 556.435^{**} \quad VIF = \%1.4 \quad R^2 = \%70.8$$

%4.1

(P-Value < 0.001)

%74.9 (3)

X3

$$y = 0.329 + 0.387 x_1 + 0.337 x_2 + 0.193 x_3 \dots \dots 3$$

$$(3.607)^{**} (15.246)^{**} (13.17)^{**} (8.636)^{**} \quad F = 455.28^{**} \quad VIF = \%1.5 \quad R^2 = \%74.9$$

%1.6

X4 (P-Value < 0.001)

%76.3 (4)

$$y = 0.289 + 0.32 x_1 + 0.292 x_2 + 0.182 x_3 + 0.139 x_4 \dots \dots 4$$

$$(11.1830)^{**} (8.2790)^{**} (5.546)^* \quad F = 371.34^{**} \quad VIF = \%1.9 \quad R^2 = \%76.3$$

$$(3.2610)^{**} (11.66)^{**}$$

%0.9

(P-Value < 0.01)

(5) X5

%77.4

$$y = 0.219 + 0.301 x_1 + 0.248 x_2 + 0.194 x_3 + 0.113 x_4 + 0.098 x_5 \dots \dots \dots 5$$

$$(4.46700)^{**} (4.358)^{**} (8.98600)^{**} (8.7950)^{**} t = (2.474)^{**} (11.05)^{**}$$

$$R^2 = \%77.4 \ VIF = \%1.9 \ F = 312.56^{**}$$

%0.4

(P-Value < 0.01)

(6)

X6

%77.8

$$y = 0.171 + 0.287 x_1 + 0.241 x_2 + 0.165 x_3 + 0.101 x_4 + 0.096 x_5 + 0.073 x_6 \dots \dots \dots 6$$

$$(3.9420)^{**} (4.3070)^{**} (2.882)^{**} (8.76800)^{**} (6.89200)^{**} t = (1.988)^* (10.438)^{**}$$

$$R^2 = \%77.8 \ VIF = \%1.9 \ F = 266^{**}$$

(15)

معامل التحديد الجزئي $R^2$	عامل تضخم البيان VIF	T	t	B ( )			
		64.00	881.9	6.080	.1710		$X_0$
56.7%	2.019	.0000	10.438	.3280	.0270	.2870	$X_1$
14.1%	1.957	.0000	8.768	.2710	.0270	.2410	$X_2$
4.1%	1.663	.0000	6.892	.1960	.0240	.1650	$X_3$
1.6%	2.103	.0000	3.942	.1260	.0260	.1010	$X_4$
0.9%	1.755	.0000	4.307	.1260	.0220	.0960	$X_5$
0.4%	1.905	.0040	2.882	.0880	.0250	.0730	$X_6$
لم تدخل في النموذج بسبب عدم وجود أهمية أو معنوية إحصائية له في النموذج							$X_7$
$= D.W ) \ 0.000 = F \ 266 = F \ \% 77.8 = R^2 \ : \ 8.824 = 125 = df2 \ 1 = df1 \ 0.004 = D.W \ 1.96$							
(F Change)							

(16)

## ANOVA

		F		النموذج	
.000 <sup>0</sup>	602.879	109.196	1	109.196	1
		.1810	460	83.317	
			461	192.513	
.000 <sup>0</sup>	556.435	68.149	2	136.298	
		.1220	459	56.215	2
			461	192.513	
.000 <sup>0</sup>	455.275	48.056	3	144.169	
		.1060	458	48.344	3
			461	192.513	
.000 <sup>0</sup>	371.337	36.805	4	147.218	
		.0990	457	45.295	4
			461	192.513	
.000 <sup>0</sup>	312.562	29.806	5	149.029	
		.0950	456	43.484	5
			461	192.513	
.000 <sup>0</sup>	266.026	24.968	6	149.809	
		.0940	455	42.704	6
			461	192.513	
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5- عدد سنوات الخدمة

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